Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/05/2016 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124518	-1	1.24	124375	1.21
Blue	F	SSC	125000	124202	-1	3.09	125075	2.85
Blue	E	FITC	17224	16730	-3	2.42	945	8.45
Blue	D	PE	22462	21867	-3	2.03	986	7.71
Blue	B	PerCP-Cy5-5	63940	63183	-2	2.72	1673	12.62
Blue	A	PE-Cy7	72480	70982	-3	3.79	936	23.76
Red	C	APC	63778	62680	-2	2.43	3536	7.79
Red	A	APC-Cy7	97254	96668	-1	2.59	1920	7.52
Violet	B	V450	10730	10405	-4	3.24	644	7.76
Violet	A	V500	42147	40797	-4	2.85	2306	5.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20116	1.69	583	-37	N/A	N/A	Pass
Blue	F	SSC	61988	1.86	506	-21	N/A	N/A	Pass
Blue	E	FITC	102	33.36	513	-26	0.0280	86	Pass
Blue	D	PE	204	24.24	507	-25	0.1972	177	Pass
Blue	B	PerCP-Cy5-5	205	37.99	591	-23	0.0121	7	Pass
Blue	A	PE-Cy7	72	93.15	646	-27	0.0163	12	Pass
Red	C	APC	334	25.13	574	-10	0.0230	11	Pass
Red	A	APC-Cy7	122	37.06	557	-8	0.0054	1046	Pass
Violet	B	V450	69	39.65	446	-28	0.0490	1653	Pass
Violet	A	V500	151	21.29	475	-28	0.0156	244	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/05/2016 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.04	-30.81	0.80
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.28
Red	15.65	13.09 - 19.63	N/A	N/A	31.52	31.76	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9774

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments